

SEQUENCE LISTING

<110> University of Rochester
Zauderer, Maurice
Ernest S. Smith

<120> In Vitro Methods Of Producing And Selecting
Immunoglobulin Molecules In Eukaryotic Cells

<130> 1821.0070004

<150> 60/271,424

<151> 2001-02-27

<150> 60/262,067

<151> 2001-01-18

<150> 60/298,087

<151> 2001-06-15

<150> 60/249,268

<151> 2000-11-17

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<170> PatentIn version 3.1

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ctgtggctgc accatctgtc ttcatcttcc cgccatctga tgagcagttg aaatctggaa 180

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| ctgcctctgt tgtgtgcctg ctgaataact tctatcccag agaggccaaa gtacagtgga | 240 |
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| aggacagcac ctacagcctc agcagcaccc tgacgctgag caaagcagac tacgagaaac | 360 |
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Publ. 93/2600

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Patent 2000/000000

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21

<210> 95

<211> 21

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<213> Artificial Sequence

<220>

<223> primer

<400> 95
tcattgtttg cctccctgct g

21

<210> 96

<211> 28

<212> DNA

<213> Artificial Sequence

<220>

<223> primer

<400> 96
aaagcggccg ccccgggatg ttacgtcc

28

Top Secret

<210> 97

<211> 29

<212> DNA

<213> Artificial Sequence

<220>

<223> primer

<400> 97

aaagggcccg gcgcgcctca ttgtttgcc

29

<210> 98

<211> 37

<212> DNA

<213> Artificial Sequence

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<223> primer

<400> 98

aaaggatcca taatgaattc agtgactgta tcacacg

37

<210> 99

<211> 34

<212> DNA

<213> Artificial Sequence

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<223> primer

<400> 99

cttgcggccg cttaataaat aaacccttga gccc

34

<210> 100

<211> 34

<212> DNA

<213> Artificial Sequence

Sequence

<220>

<223> primer

<400> 100
attgagctct taatactttt gtcgggtaac agag

34

<210> 101

<211> 29

<212> DNA

<213> Artificial Sequence

<220>

<223> primer

<400> 101
ttactcgaga gtgtcgcaat ttggatttt

29

<210> 102

<211> 29

<212> DNA

<213> Artificial Sequence

<220>

<223> primer

<400> 102
aaagaattcc tttattgtca tcggccaaa

29

<210> 103

<211> 30

<212> DNA

<213> Artificial Sequence

<220>

<223> primer

<400> 103
aatctgcagt cattgtttgc ctccctgctg

30

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<210> 104

<211> 37

<212> DNA

<213> Artificial Sequence

<220>

<223> primer

<400> 104

aaagaattca taatgaattc agtgactgta tcacacg

37

<210> 105

<211> 32

<212> DNA

<213> Artificial Sequence

<220>

<223> primer

<400> 105

cttggatcct taataaataa acccttgagc cc

32

<210> 106

<211> 27

<212> DNA

<213> Artificial Sequence

<220>

<223> primer

<400> 106

aataagcttt actccagata atatgga

27

<210> 107

<211> 23

<212> DNA

<213> Artificial Sequence

Sequence

<220>

<223> primer

<400> 107

aatctgcagc ccagttccat ttt

23

<210> 108

<211> 23

<212> DNA

<213> Artificial Sequence

<220>

<223> primer

<400> 108

aatggatcct catccagcgg cta

23

<210> 109

<211> 27

<212> DNA

<213> Artificial Sequence

<220>

<223> primer

<400> 109

aatgagctct agtacctaca acccgaa

27

<210> 110

<211> 28

<212> DNA

<213> Artificial Sequence

<220>

<223> primer

<400> 110

aaagtcgacg gccaaaaatt gaaatttt

28

Sequence

<210> 111
 <211> 25
 <212> DNA
 <213> Artificial Sequence

<220>

<223> primer

<400> 111
 aatggatcct cattgtttgc ctccc 25

<210> 112
 <211> 51
 <212> DNA
 <213> Artificial Sequence

<220>

<223> cassette converting Plasmid p7.5/tk3 to p7.5/tk3.1

<400> 112
 gcggccgccc atggatagcg tgcacttgac tcgagaagct tagtagtcga c 51

<210> 113
 <211> 22
 <212> DNA
 <213> Artificial Sequence

<220>

<223> region substituted to convert plasmid p7.5/tk3.1 to p7.5/tk3.2

<400> 113
 ctcgagaagc ttagtagtcg ac 22

<210> 114
 <211> 78
 <212> DNA
 <213> Artificial Sequence

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<223> cassette for the conversion of plasmid p7.5/tk3.1 to p7.5/tk3.2

ctcgagatca aagagggtaa atcttccgga tctgggttccg aaggcgcgca tgcggtcacc 60

gtctcctcat gagtcgac 78

<211> 42

<213> Artificial Sequence

<223> p7.5/tk3.2 linker

gagggtaaat cttccggatc tggttccgaa ggcgcgcact cc 42

<211> 14

<213> Artificial Sequence

<223> p7.5/tk3.2 linker

Glu Gly Lys Ser Ser Gly Ser Gly Ser Glu Gly Ala His Ser
1 5 10

<211> 16

<213> Artificial Sequence

<220>

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<400> 117
aagcttagta gtcgac
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16

<211> 81

<212> DNA

<213> Artificial Sequence

 $\langle 220 \rangle$

<400> 118
aa gcttaccg tcctagaggg taaatcttcc ggatctggtt ccgaaggcgc gcatgcggtc 60

60

81

<211> 42

<212> DNA

<213> Artificial Sequence

 $\langle 220 \rangle$

<223> p7.5/tk3.3 linker

<400> 119
gagggtaaat cttccggatc tggttccgaa ggcgcgcact cc 42

42

<211> 14

<212> PRT

<213> Artificial Sequence

<220>

<223> p7.5/tk3.3 linker

$\langle 400 \rangle$ 120

Glu Gly Lys Ser Ser Gly Ser Gly Ser Glu Gly Ala His Ser
1 5 10

<213> Artificial Sequence

<223> primer

29

<213> Artificial Sequence

<223> primer

34

<213> Artificial Sequence

<223> primer

24

<213> Artificial Sequence

<220>

<223> primer

<220>

<221> misc_feature

<222> (2)..(3)

<223> May be any nucleotide

<220>

<221> misc_feature

<222> (5)..(6)

<223> May be any nucleotide

<220>

<221> misc_feature

<222> (8)..(9)

<223> May be any nucleotide

<220>

<221> misc_feature

<222> (11)..(12)

<223> May be any nucleotide

<220>

<221> misc_feature

<222> (14)..(15)

<223> May be any nucleotide

<220>

<221> misc_feature

<222> (17)..(18)

Sequence

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<400> 124
nnnnnnnnnnm nnnnnnnntt caggtgctgg gcacgg
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36

<211> 36

<212> DNA

<213> Artificial Sequence

$\langle 220 \rangle$

<223> primer

<220>

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<221> misc_feature
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<222> (1) . . (2)

<223> May be any Nucleotide

<220>

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<221> misc_feature
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<222> (4) .. (5)

<223> May be any Nucleotide

<220>

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<221> misc_feature
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<222> (7) . . (8)

<223> May be any Nucleotide

<220>

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<221> misc_feature
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$$\langle 222 \rangle \quad (10) \dots (11)$$

<223> May be any Nucleotide

<220>

<221> misc_feature

<222> (13)..(14)

<223> May be any Nucleotide

<220>

<221> misc_feature

<222> (16)..(17)

<223> May be any Nucleotide

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nnknnknnkn nknnknnkgt cttcctcttc ccccca

36

<210> 126

<211> 23

<212> DNA

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<220>

<223> primer

<400> 126
aatatgtcga ctcatttacc cgg

23

<210> 127

<211> 28

<212> DNA

<213> Artificial Sequence

<220>

<223> primer

<400> 127
acacggtcac cgtctcctca gggagtgc

28

<210> 128

Top Secret

<213> Artificial Sequence

<220>

<223> primer

<400> 131

ctctcccgcg gacgtcttcg t

21

<210> 132

<211> 31

<212> DNA

<213> Artificial Sequence

<220>

<223> primer

<400> 132

agttagatct ggatccctca aagccctcct c

31

<210> 133

<211> 30

<212> DNA

<213> Artificial Sequence

<220>

<223> primer

<400> 133

gaggagggtc ttgagggatc cagatctaac

30

<210> 134

<211> 30

<212> DNA

<213> Artificial Sequence

<220>

<223> primer

<400> 134

aatagtgggtg atatatttca ccttgaacaa

30

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<210> 135

<211> 30

<212> DNA

<213> Artificial Sequence

<220>

<223> primer

<400> 135

ttgttcaagg tgaaaagtgaa gagaaaggaa

30

<210> 136

<211> 28

<212> DNA

<213> Artificial Sequence

<220>

<223> primer

<400> 136

attagaattc atgcctgggg gtccagga

28

<210> 137

<211> 28

<212> DNA

<213> Artificial Sequence

<220>

<223> primer

<400> 137

attaggatcc tcacggcttc tccagctg

28

<210> 138

<211> 28

<212> DNA

<213> Artificial Sequence

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<220>

<223> primer

<400> 138

attaggatcc atggccaggc tggcgttg

28

<210> 139

<211> 34

<212> DNA

<213> Artificial Sequence

<220>

<223> primer

<400> 139

attaccagca cactgggtcac tcctggcctg ggtg

34

<210> 140

<211> 69

<212> DNA

<213> Artificial Sequence

<220>

<223> p7.5/tk promoter

<220>

<221> CDS

<222> (46)..(69)

<223>

<400> 140

ggccaaaaat tgaaaaacta gatctattta ttgcacgcgg ccgcc atg ggc ccg gcc
Met Gly Pro Ala
1

57

gcc aac ggc gga
Ala Asn Gly Gly
5

69

<210> 141

GenBank

<213> Artificial Sequence

<400> 141

<213> Artificial Sequence

<223>

<213> Artificial Sequence

<223> tk sequence of pE/Ltk

Met Gly Pro Ala Ala Asn Gly Gly
1 5

<211> 39

<213> Artificial Sequence

<223> Primer

39

<211> 38

<213> Artificial Sequence

<223> Primer

38

<211> 19

<212> PRT

<213> Artificial Sequence

<223> Signal Sequence

<400> 146
Met Gly Trp Ser Cys Ile Ile Leu Phe Leu Val Ala Thr Ala Thr Gly

Ala His Ser

<211> 26

<212> PRT

<213> Artificial Sequence

 $\langle 220 \rangle$

<223> Signal Sequence

<400> 147

Asn Leu Trp Thr Thr Ala Ser Thr Phe Ile Val Leu Phe Leu Leu Ser
1 5 10 15

Leu Phe Tyr Ser Thr Thr Val Thr Leu Phe
20 25

[illegible]